

AMENDMENTS TO THE CLAIMS

The following listing of claims shown in marked-up format with strikethrough and/or double brackets indicating deletions and underlining indicating additions supersedes all prior versions and listings of claims in connection with this application.

LISTING OF CLAIMS

1. (Currently Amended) A computer-readable medium having a data structure for managing reproduction of still images recorded on the computer-readable medium, comprising:

a data area storing at least a first clip stream file ~~for a first still image~~ and a second clip stream file, the first clip stream file including video data for reproducing at least first and second still images, the second clip stream file including audio data ~~for a second still image~~;

a playlist area storing at least one playlist file, the playlist file including mark information and at least one playitem and a sub-playitem, the mark information providing presentation information on the first and second still images to provide for at least skipping from reproducing the first still image to reproducing the second still image, the ~~at least one~~ playitem indicating at least ~~a portion of at least one of~~ an in-point and an out-point of the first clip stream file for reproducing the first and second still images and the second clip stream file to reproduce, the sub-playitem indicating an in-point and an out-point of the second clip stream file for reproducing the audio data; and

a management area storing at least first and second clip information files, the first clip information file including a mapping information between a presentation time and a unit of the first clip stream file, ~~for the first still image~~ and the second clip information file including a mapping information between a presentation time and a unit of the second clip stream file ~~for the second still~~

image, the first and second clip information files being corresponded to the first and second clip stream files respectively.

2. (Previously Amended) The computer-readable medium of claim 1, wherein the mark information includes a first mark associated with the first still image and a second mark associated with the second still image, the first and second marks providing the presentation information on the first and second still images, respectively.

3. (Previously Amended) The computer-readable medium of claim 2, wherein the first mark includes a first indicator indicating at least a stream of data where the first mark is placed; and

the second mark includes a second indicator indicating at least a stream of data where the second mark is placed.

4. (Previously Amended) The computer-readable medium of claim 2, wherein the first mark includes a first indicator indicating a point in a stream of data where the first mark is placed; and

the second mark includes a second indicator indicating a point in a stream of data where the second mark is placed.

5. (Previously Amended) The computer-readable medium of claim 2, wherein the first mark includes a type indicator indicating a type of the first mark, and the second mark includes a type indicator indicating a type of the second mark.

6. (Previously Amended) The computer-readable medium of claim 2, wherein the mark information indicates a number of marks in the mark information.

7. (Previously Amended) The computer-readable medium of claim 2, wherein the first mark points to the first still image and the second mark points to the second still image.

8-11. (Cancelled)

12. (Currently Amended) A method of reproducing a data structure for managing reproduction of still images recorded on a computer-readable medium, comprising:

reproducing ~~from a data area~~ at least a first clip stream file ~~for a first still image~~ and a second clip stream file, the first clip stream file including video data for reproducing at least first and second still images, the second clip stream file including audio data for a second still image;

reproducing at least one playlist file ~~in a playlist area on the computer-readable medium~~, the playlist file including mark information and at least one playitem and a sub-playitem, the mark information providing presentation information on first and second still images to provide for at least skipping from reproducing the first still image to reproducing the second still image, the ~~at least one~~ playitem indicating at least a portion of at least one of an in-point and an out-point of the first clip stream file for reproducing the first and second still images and the second clip stream file to reproduce, the sub-playitem indicating an in-point and an out-point of the second clip stream file for reproducing the audio data; and

reproducing at least first and second clip information files ~~in a management area on the computer-readable medium~~, the first clip information file including a mapping information between a presentation time and a unit of the first clip stream file, ~~for the first still image~~ and the second clip information file including a mapping information between a presentation time and a unit of the second clip stream file ~~for the second still image~~, the first and second clip information files being corresponded to the first and second clip stream files respectively.

13. (Currently Amended) An apparatus for reproducing a data structure for managing reproduction of still images recorded on the computer-readable medium, comprising:

a pick up configured to reproduce data recorded on the computer-readable medium;

a controller configured to control the pick up to reproduce ~~from a data area~~ at least a first clip stream file ~~for a first still image~~ and a second clip stream file, the first clip stream file including video data for reproducing at least first and second still images, the second clip stream file including audio data for a second still image; and

the controller configured to control the pick up to reproduce at least one playlist file ~~in a playlist area and at least first and second clip information files in a management area from the computer-readable medium~~, the playlist file including mark information and at least one playitem and a sub-playitem, the mark information providing presentation information on first and second still images to provide for at least skipping from reproducing the first still image to reproducing the second still image, ~~the at least one playitem indicating at least a portion of at least one of~~ an in-point and an out-point of the first clip stream file for reproducing the first and second still images and the second clip stream file to reproduce, the sub-playitem indicating an in-point and an out-point of the second clip stream file for reproducing the audio data, the first clip information file including a mapping information between a presentation time and a unit of the first clip stream file, ~~for the first still image~~ and the second clip information file including a mapping information between a presentation time and a unit of the second clip stream file ~~for the second still image~~, the first and second clip information files being corresponded to the first and second clip stream files respectively.

14. (Currently Amended) A method of recording a data structure for managing reproduction of at least still images recorded on a computer-readable medium, comprising:

recording ~~in a data area~~ at least a first clip stream file ~~for a first still image~~ and a second clip stream file, the first clip stream file including video data for reproducing at least first and second still images, the second clip stream file including audio data for a second still image;

recording at least one playlist file in a playlist area on the computer-readable medium, the playlist file including mark information and at least one playitem and a sub-playitem, the mark information providing presentation information on first and second images to provide for at least skipping from reproducing the first still image to reproducing second still image, ~~the at least one playitem indicating at least a portion of at least one of~~ an in-point and an out-point of the first clip stream file for reproducing the first and second still images and the second clip stream file to reproduce, the sub-playitem indicating an in-point and an out-point of the second clip stream file for reproducing the audio data;

recording at least first and second clip information files ~~in a management area on the computer-readable medium~~, the first clip information file including a mapping information between a presentation time and a unit of the first clip stream file, ~~for the first still image~~ and the second clip information file including a mapping information between a presentation time and a unit of the second clip stream file ~~for the second still image~~, the first and second clip information files being corresponded to the first and second clip stream files respectively.

15. (Currently Amended) An apparatus for recording a data structure for managing reproduction of at least still images on a computer-readable medium, comprising:

a pick up configured to record data on the computer-readable medium;

a controller configured to control the pick up to record ~~in a data area~~ at least a first clip stream file ~~for a first still image~~ and a second clip stream file, the first clip stream file including video data for reproducing at least first and second still images, the second clip stream file including audio data for a second still image; and

the controller configured to control the pick up to record at least one playlist file ~~in a playlist area and at least first and second clip information files in a management area on the computer-readable medium,~~ the playlist file including mark information and at least one playitem and a sub-playitem, the mark information providing presentation information on first and second still images to provide for at least skipping from reproducing the first still image to reproducing the second still image, the ~~at least one~~ playitem indicating ~~at least a portion of at least one of an in-point and an out-point of the first clip stream file for reproducing the first and second still images and the second clip stream file to reproduce,~~ the sub-playitem indicating an in-point and an out-point of the second clip stream file for reproducing the audio data, the first clip information file including a mapping information between a presentation time and a unit of the first clip stream file ~~for the first still image~~ and the second clip information file including a mapping information between a presentation time and a unit of the second clip stream file ~~for the second still image~~, the first and second clip information files being corresponded to the first and second clip stream files respectively.

16. (Previously Presented) The method of claim 12, wherein the mark information includes a first mark associated with the first image and a second mark associated with the second image, the first and second marks providing the presentation information on the first and second images, respectively.

17. (Previously Presented) The method of claim 16, wherein the first mark includes a first indicator indicating at least a stream of data where the first mark is placed; and

the second mark includes a second indicator indicating at least a stream of data where the second mark is placed.

18. (Previously Presented) The method of claim 16, wherein the first mark includes a first indicator indicating a point in a stream of data where the first mark is placed; and the second mark includes a second indicator indicating a point in a stream of data where the second mark is placed.

19. (Previously Presented) The method of claim 16, wherein the first mark includes a type indicator indicating a type of the first mark, and the second mark includes a type indicator indicating a type of the second mark.

20. (Previously Presented) The method of claim 16, wherein the mark information indicates a number of marks in the mark information.

21. (Previously Presented) The method of claim 16, wherein the first mark points to the first still image and the second mark points to the second still image.

22. (Previously Presented) The apparatus of claim 13, wherein the mark information includes a first mark associated with the first image and a second mark associated with the second image, the first and second marks providing the presentation information on the first and second images, respectively.

23. (Previously Presented) The apparatus of claim 22, wherein the first mark includes a first indicator indicating at least a stream of data where the first mark is placed; and

the second mark includes a second indicator indicating at least a stream of data where the second mark is placed.

24. (Previously Presented) The apparatus of claim 22, wherein the first mark includes a first indicator indicating a point in a stream of data where the first mark is placed; and the second mark includes a second indicator indicating a point in a stream of data where the second mark is placed.

25. (Previously Presented) The apparatus of claim 22, wherein the first mark includes a type indicator indicating a type of the first mark, and the second mark includes a type indicator indicating a type of the second mark.

26. (Previously Presented) The apparatus of claim 22, wherein the mark information indicates a number of marks in the mark information.

27. (Previously Presented) The apparatus of claim 22, wherein the first mark points to the first still image and the second mark points to the second still image.

28. (Previously Presented) The method of claim 14, wherein the mark information includes a first mark associated with the first image and a second mark associated with the second image, the first and second marks providing the presentation information on the first and second images, respectively.

29. (Previously Presented) The method of claim 28, wherein the first mark includes a first indicator indicating at least a stream of data where the first mark is placed; and the second mark includes a second indicator indicating at least a stream of data where the second mark is placed.

30. (Previously Presented) The method of claim 28, wherein the first mark includes a first indicator indicating a point in a stream of data where the first mark is placed; and the second mark includes a second indicator indicating a point in a stream of data where the second mark is placed.

31. (Previously Presented) The method of claim 28, wherein the first mark includes a type indicator indicating a type of the first mark, and the second mark includes a type indicator indicating a type of the second mark.

32. (Previously Presented) The method of claim 28, wherein the mark information indicates a number of marks in the mark information.

33. (Previously Presented) The method of claim 28, wherein the first mark points to the first still image and the second mark points to the second still image.

34. (Previously Presented) The apparatus of claim 15, wherein the mark information includes a first mark associated with the first image and a second mark associated with the second image, the first and second marks providing the presentation information on the first and second images, respectively.

35. (Previously Presented) The apparatus of claim 34, wherein the first mark includes a first indicator indicating at least a stream of data where the first mark is placed; and the second mark includes a second indicator indicating at least a stream of data where the second mark is placed.

36. (Previously Presented) The apparatus of claim 34, wherein the first mark includes a first indicator indicating a point in a stream of data where the first mark is placed; and the second mark includes a second indicator indicating a point in a stream of data where the second mark is placed.

37. (Previously Presented) The apparatus of claim 34, wherein the first mark includes a type indicator indicating a type of the first mark, and the second mark includes a type indicator indicating a type of the second mark.

38. (Previously Presented) The apparatus of claim 34; wherein the mark information indicates a number of marks in the mark information.

39. (Previously Presented) The apparatus of claim 34, wherein the first mark points to the first still image and the second mark points to the second still image.